



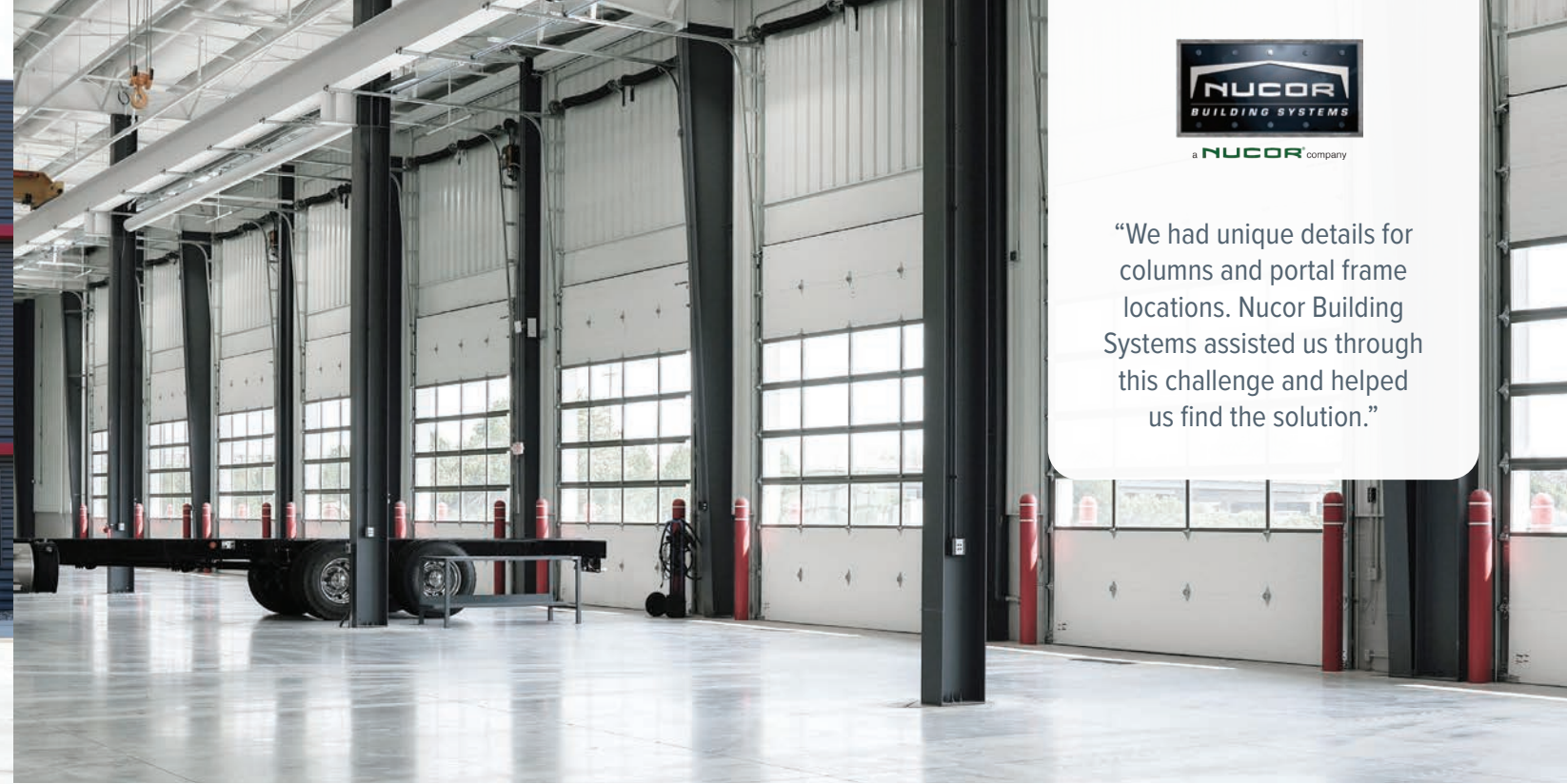
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CASE STUDY

TRUCK SERVICE CENTER

WHITEFORD KENWORTH DEALERSHIP





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The construction industry plays a vital role in shaping our built environment, leading to the emphasis on sustainable building practices becoming more essential. Energy efficient building components are becoming increasingly popular as code regulations and design requirements continue to evolve. The Whiteford Kenworth dealership in Rossford, Ohio, leveraged eco-conscious design elements by integrating two solar canopies on their dealership’s campus, striking a balance between visual appeal and functional efficiency.

Nucor Building Systems Authorized Builder, Nuway Construction of Goshen, Indiana, successfully achieved the customer’s sustainability requirements by incorporating PowerShingle canopies for a truck drive-thru and covered walkway. The projected energy production is 58 mWh/Year, which could increase as the building’s forward-thinking design allows for the addition of roof mounted solar panels in the future.

Aside from the dealership’s sustainable elements, a combination of design considerations were made to create a state-of-the-art truck sales and service facility for Kenworth that complimented their current operations just a few miles down the road.

Kenworth Corporate provided standards for operation including the need for an innovative design encompassing large clear spans for optimum traffic flow, and Nuway Construction’s design team offered several concepts to

review. Once the final iteration was chosen, virtual reality was configured to allow for a full walk-through of the facility.

During the design phase, Nuway recognized that the layout of the dealership would be complex and needed to conform to Kenworth’s operational needs while maintaining a clear separation of individual departments. Nucor Building Systems helped assist this challenge by providing six pre-engineered metal buildings, all with a distinct location and purpose. The ground level floor is 73,440 sf and an 8,300 sf mezzanine provides additional executive office space for a combined 81,740 sf facility. Nuway’s President, Andy Nesbitt, says, “We had unique details for columns and portal frame locations. Nucor Building Systems assisted us through this challenge and helped us find the solution.”

While all areas of the dealership are definitive, they are connected and designed to interact with one another in different ways. An expansive showroom and office are



prominent inside the front entrance. The showroom boasts 30’ ceilings with a row of glass overhead doors that allow natural lighting to penetrate the surrounding corporate and sales offices, as well as the driver lounge and parts counter. Two antique Kenworth trucks are displayed on a mezzanine facing the showroom, adding a unique touch of branding to the dealership.

In addition to the showroom parts area, there is direct access to a 26-bay service area that includes a 5-ton crane and a separate wash bay. The service area features a total of 21 vertical lift overhead doors, contributing to smooth and efficient operations. Connected to the service area is a nearly 20,000 sf parts warehouse that allows the dealership to service customers in a timely manner without having to wait for part shipments. A mezzanine and staircase connect the parts warehouse to the second-floor executive office area.

Color blocking is used among the exterior wall panels, allowing the facility to stand out aesthetically while reinforcing the Kenworth brand identity. Nucor’s Polar White A-Panel wall system contrasts against the gray and red panels and highlights key features on the facility like the entrances and signage. The building is visible from two intersecting interstate highways, providing a striking visual in the industrial park.

Ron Whiteford, President of Whiteford Kenworth, says, “This facility reflects the next chapter of innovation, efficiency, and environmental responsibility. It has been carefully designed to streamline workflow, reduce environmental impact, and provide a modern, welcoming space for the truck driving community.” The Whiteford Kenworth dealership stands out as a remarkable addition to the community of Rossford, Ohio, exemplifying the strength of collaboration among all partners involved in its creation.



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